

Stream & Watershed Integrated Management (SWIM) Workshop

Springbrook Conservation Education Center

July 29-31, 2014



Tuesday – July 29, 2014

9:00 am Check-in – classrooms
9:30 am Welcome
9:45 am Introduction

Part I: How Streams Work

10:00 am Iowa's Streams & Rivers: A Landscape Perspective- *Keith Schilling*
10:45 am Break – Refreshments in the cafeteria
11:00 am Watershed Principles (geology, hydrology, landforms, soils, watershed morphology & mapping) – *Keith Schilling*
Noon Lunch – Cafeteria
12:45 pm Stream Primary Components (water, energy, sediment, vegetation) – *Tom Isenhart*
2:15 pm Hydro-connectivity (channels) – *Greg Simmons*
3:00 pm Break – Refreshments in the cafeteria
3:15 pm Hydro-connectivity (floodplains, riparian corridors) – *Greg Gelwicks*
4:00 pm Social
5:30 pm Dinner (fish fry) - Cafeteria

Wednesday – July 30, 2014

7:00 am Breakfast – Cafeteria

Part II: Stream Ecology – Classrooms

8:00 am Intro to Stream Ecology – Tom Isenhart
9:00 am Prepare for field work (Refreshments in the cafeteria)

9:15 am Meet in parking lot to carpool
9:30 am Stream biota & habitat – Tom Isenhart, Tom Wilton, Ken Krier, Greg Gelwicks & Greg Simmons
Noon Lunch in the field
12:30 pm Stream Visual Assessment – Tom Isenhart, Tom Wilton & Ken Krier
4:00 pm Water Quality Monitoring & Assessments – Tom Wilton
6:00 pm Dinner – Cafeteria
7:30 pm Meet at benches outside of cafeteria to review findings – Tom Isenhart & Tom Wilton

Thursday – July 31, 2014

7:00 am Breakfast & move out of dorms

Part III: Solving Stream Problems – Classrooms

8:00 am In-stream Habitat Rehabilitation – Greg Simmons
8:30 am Social Sciences of Improving Streams – Jessie Brown
9:00 am Landscape Conservation Practices – Bob Waters
9:30 am Local, State & Federal Conservation Programs – Bob Waters
10:00 am Break – Refreshments in the Cafeteria then meet in parking lot to carpool
10:15 am Developing a Conservation Plan & Reports –Rick Sprague
Noon Lunch in the field
12:45 pm Continue development of projects
1:30 pm Present & discuss project plans – Classroom –Rick Sprague
2:00 pm Workshop Summary/Evaluation
3:00 pm Adjourn